

2/31

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

PAUL C. KOCHER et al.

Application No.: 09/930,836

Filed: August 15, 2001

For: CRYPTOGRAPHIC COMPUTATION
USING MASKING TO PREVENT
DIFFERENTIAL POWER ANALYSIS
AND OTHER ATTACKS

Confirmation No.: 2389

Group Art Unit: 2131

Examiner: Justin T. Darrow

Attorney Docket No 44424162-8724

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT**

SONNENSCHN NATH & ROSENTHAL LLP
Customer No. 26263

M/S AMENDMENT
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited
with the United States Postal Service as First Class Mail in an
envelope, addressed to: M/S Amendment, Commissioner for
Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

July 28, 2005.

SONNENSCHN NATH & ROSENTHAL LLP

Dated: 7/28/05

By:

Jeffrey Brill
Jeffrey Brill

Sir:

Applicant(s) submit(s) herewith patents, publications or other information [attached hereto and listed on the attached Form PTO-1449 (modified)] of which they are aware, which they believe(s) may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).
- (b) ☐ is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR § 1.491.
- (c) ☒ as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits, or before a first office action after filing a Request for Continued Examination under §1.114.

- (d) ☐ is filed after the first office action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below.
- (e) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and the Issue Fee has not been paid, and is accompanied by the fee (\$130) set forth in 37 CFR § 1.17(i)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-1449 (Modified). A copy of the items on PTO-1449 (Modified) is supplied herewith, except for issued United States Patents and Published United States Patent Applications.

A concise explanation of relevance of the items listed on form PTO-1449 (Modified) is:

- (h) ☒ not given as each patent provides at least an English translation of the claims.
- (i) ☐ given for each listed item
- (j) ☐ given for only non-English language listed item(s) [Required]
- (k) ☐ is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references [copy attached].

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement

complies with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge our Deposit Account No. 19-3140, for any fees required in connection with the filing of this Information Disclosure Statement. **A duplicate copy of this Notice is enclosed for this purpose.** In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

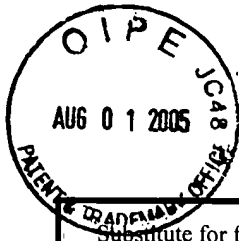
Respectfully submitted,

SONNENSCHN NATH & ROSENTHAL LLP

Dated: 7/28/05

By: 

Jeffrey Brill
Reg. No. 51,198
Attorneys for Applicant(s)

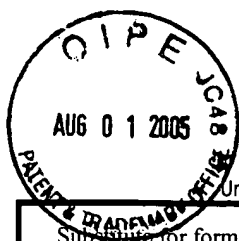


INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/930,836	
			Filing Date	August 15, 2001	
			First Named Inventor	Paul C. Kocher	
			Group Art Unit	2132	
			Examiner Name	Justin T. Darrow	
Sheet	2	of	3	Attorney Docket No.	44424162-8724

OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BACK, Adam, "Non-Interactive Forward Secrecy" 09/06/1996	
		BELL, Jim, "Spread-Spectrum Computer Clock?" Google Beta Groups	
		BELLARE et al., "Optimal Asymmetric Encryption", Advanced Networking Laboratories, 1998, pp 92-111, Springer-Verlag, U.S.A.	
		BELLARE et al, "The Exact Security of Digital Signatures- How to Sign with RSA and Rabin", Advances in Cryptology - Eurocrypt 96 Proceedings, Lecture Notes in Computer Science, Vol. 1070, , pp 1-16, U. Maurer ed., Springer-Verlag, 1996	
		BELLARE et al, "Forward Integrity For Secure Audit Logs", pp 1-16, November 23, 1997, U.S.A.	
		FRANKEL et al., "Optimal-Resilience Proactive Public-Key Cryptosystems" IEEE Symposium on Foundations of Computer Science, 1997	
		FRANKEL et al., "Proactive RSA", Lecture Notes in Computer Science, 1996	
		HERZBERG et al, "Proactive Public Key and Signature Systems", ACM Conference on Computer and Communications Security, 1996	
Examiner Signature		Date Considered	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
		MENZES et al, "Pseudorandom Bits and Sequences", Handbook of Applied Cryptography, CRC Press, Chapter 5, pp 169-190, 1996			
		MENZES et al, "Efficient Implementation", Handbook of Applied Cryptography, CRC Press, Chapter 14, pp 591-634, 1996			
		RIVEST, Ronald, "Timing Cryptanalysis of RSA, DH, DDS" Google Beta Groups			
Examiner Signature				Date Considered	

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